HLA Typing

C. Quality Control for HLA Typing

The purpose of the Roche QC is to verify the HLA gene type of the newborns enrolled in the DAISY Study. A QC is done for all children whose cord blood was tested at birth, and who are enrolled in the DAISY follow-up study. Include 3 additional samples per batch sent as quality control samples.

Procedure for processing samples:

1. Every month, print out and obtain the list of all newly enrolled NEC's and NOC's: L:\DAISY\CordBloodAndRocheQC → Roche/Whole Blood button → QC's Needed button.
2. Assign a new Roche ID# to each sample; this is done by using sequential 40000 ID numbers. Look up the previous Roche QC list to see the next ID number that should be used.
3. Label 2mL cryovials with the new Roche ID numbers and the initials of the DAISY subject.
4. Locate the cord blood whole blood samples in the lab refrigerator (the list gives the box and row numbers).
5. Transfer 0.5mL of blood from the old tube to the tube labeled with the new Roche ID.
6. Put the remaining whole blood sample back in its original location.
7. Put the samples with the new Roche ID's in the current Roche box located in the lab refrigerator, and record the Roche ID and initials of the subject in the Excel file.
8. Enter the newly-assigned Roche ID in the database: L:\DAISY\CordBloodAndRocheQC → Roche/Whole Blood button → Enter QC labids button. Add a new record and enter the DAISY ID and new Roche ID into the form.
9. The Data Manager will receive the results from Roche and will transfer them to the database. If there are any discrepancies, the data manager will inform the person responsible for doing the QC's so that another sample will be sent.
10. File the Roche QC print-out in the "Roche QC Sample Tracking" binder.